

22-MAR-2005 DGN File N:\PROJECTS\4600\_05\Sheet\Files\Signals\Lighting\4600\_SG-1A.dgn

### SIGNAL GENERAL NOTES:

1. REFER TO SIGNAL SCHEDULE ON SHEET SG-S3 FOR STATE FURNISHED MATERIALS.
2. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF STATE FURNISHED UNINTERRUPTED POWER SUPPLY. CONTACT GRANT JACKSON OF UDOT REGION 3 AT (801) 830-9546 TO SCHEDULE PICK UP DATE.
2. PROVIDE A MINIMUM 17' - 6" AND MAXIMUM 19' CLEARANCE FROM TOP OF PAVEMENT TO BOTTOM OF SIGNAL BACK PLATE.
3. CONTACT ROB LITTLEFIELD OF LEHI POWER AT (801) 768-9167 OR (801) 836-1077 (MOBILE) FOR POWER SOURCE AND HOOKUP INFORMATION. CONTACT AT LEAST 30 DAYS PRIOR TO DATE POWER IS REQUIRED.
4. RETURN ALL SALVAGE ITEMS, COMPLETE WITH ALL PARTS, IN GOOD CONDITION. CONTACT GRANT JACKSON OF UDOT REGION 3 AT (801) 830-9546 TO SCHEDULE DELIVERY DATE, LOCATION.
5. USE LED LENSES FOR ALL THE SIGNAL HEADS.
6. MOUNT VIDEO CAMERA ASSEMBLY TO BACK SIDE OF MAST ARM. CONTACT GRANT JACKSON AT (801) 830-9546 FOR FINAL CAMERA PLACEMENT, AIMING AND FOCUSING.

### LEGEND

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|--|--|--|---|
|  | TRAFFIC SIGNAL POLE IDENTIFICATION   |  | NEW TRAFFIC SIGNAL CONTROLLER                                 |
|  | TRAFFIC SIGNAL MAST ARM & POLE   |  | EXISTING TRAFFIC SIGNAL CONTROLLER                            |
|  | TRAFFIC SIGNAL DOUBLE MAST ARM & POLE  |  | POLYMER CONCRETE TYPE I-PC JUNCTION BOX                       |
|  | EXISTING LUMINAIRE EXTENSION AND ARM   |  | POLYMER CONCRETE TYPE II-PC JUNCTION BOX                      |
|  | NEW TRAFFIC SIGNAL MAST ARM & POLE W/LIGHT POLE EXTENSION                          |  | POLYMER CONCRETE TYPE I-PC JUNCTION BOX (FOR STREET LIGHTING) |
|  | EXISTING POWER SOURCE  |  | SAME JUNCTION BOX AS USED FOR SIGNAL CIRCUIT                  |
|  | POST MOUNTED SIGNAL POLE (STD. DWG. SL 5)  |  | COUNT-DOWN PEDESTRIAN SIGNAL HEAD W/PUSH BUTTON               |
|  | TYPE I, 12" - 3 SECTION SIGNAL HEAD  |  | UNINTERRUPTED POWER SUPPLY (UPS)                              |
|  | TYPE II, 12" - 3 SECTION SIGNAL HEAD W/LEFT TURN ARROW                             |  | EXISTING LIGHTING JUNCTION BOX                                |
|  | TYPE V, 12" - 5 SECTION SIGNAL HEAD ASSEMBLY                                       |  | OPTICOM PRIORITY SYSTEM CONTROL                               |
|  | VIDEO DETECTION CAMERA (ADJUST CAMERA LOCATION IN THE FIELD TO AVOID OBSTRUCTIONS) |  |   |



NOTES: (CIRCLED NOTES IDENTIFY ITEMS ON THIS SHEET)

1. REMOVE AND SALVAGE EXISTING SIGNAL POLE, MAST ARM, SIGNAL HEADS, VIDEO CAMERA.
2. REMOVE AND SALVAGE EXISTING UNDERGROUND SERVICE PEDESTAL AND INSTALL STATE FURNISHED UNINTERRUPTED POWER SUPPLY (UPS).
3. INSTALL STATE FURNISHED SIGNAL POLE, MAST ARM, AHCHOR BOLTS. CONTACT DOUG SNEEDEN OF STATE WAREHOUSE AT (801) 965-4755 TO SCHEDULE PICK UP, MINIMUM 48 HOURS ADVANCE NOTICE.
4. INSTALL TYPE I, 12" 3-SECTION SIGNAL HEAD W/46" SIGNAL HEAD BRACKET MOUNT.
5. INSTALL TYPE II, 12" 3-SECTION SIGNAL HEAD W/TURN ARROW, 46" SIGNAL HEAD BRACKET MOUNT.
6. INSTALL MAST ARM MOUNTED SIGN.
7. INSTALL STATE FURNISHED VIDEO CAMERA.
8. RELOCTAE EXISTNG STREET NAME SIGN.
9. RELOCATE LUMINAIRE EXTENSION FROM EXISTING SIGNAL POLE.
10. RELOCATE EXISTING OPTICOM PRIORITY SYSTEM CONTROL.
11. INSTALL STATE FURNISHED LUMINAIRE EXTENSION AND ARM.

### POLE SCHEDULE

POLE IDENT.	STATION	OFFSET		MAST ARM LENGTH	LUMINAIRE MOUNTING HEIGHT	LUMINAIRE ARM LENGTH	REMARKS
		LEFT	RIGHT				
		FT	FT	FT	FT	FT	
	0+06.88		52.5				EXISTING
P1	0+67.00	47.5		65	40	10	
P2	0+11.46		62.4	55	40	10	

### MAST ARM MOUNTED SIGNS SCHEDULE

POLE ID	CENTER OF SIGN TO END OF MAST ARM	A-2 SIGN W/G 8" "C" SERIES	A-2 SIGN	REMARKS
	FT			
P2	7.5, 20	SR-92	R3-8M	

CONTACT UDOT SIGN SHOP AT 965-4184 30 DAYS BEFORE SCHEDULED PICK UP DATE IF ADDITIONAL EQUIPMENT IS NEEDED FOR RELOCATION OF SIGNS FROM EXISTING SIGNAL POLES.

UTAH DEPARTMENT OF TRANSPORTATION

DIVISION OF TRAFFIC AND SAFETY  
SIGNAL AND LIGHTING DESIGN

SR-92, EAST OF I-15

IN LEHI, UTAH CO.

SIGNAL PLAN SHEET

PROJECT NUMBER  
SP-0092(5)1

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UTAH COUNTY

SHEET NO. SG-1A